

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-8 (Canceled).

Please add the new claims following claims:

9. (New) A communications device comprising:

a transmitter coupled to an antenna array, the antenna array comprising a plurality of antenna elements, the transmitter operable to transmit a calibration burst by:
transmitting a first waveform from a first antenna element of the plurality of antenna elements; and

transmitting a second waveform from two or more antenna elements from the plurality of antenna elements;

wherein the first waveform comprises a combined signal, the combined signal comprising a combination of two or more signals, and wherein the second waveform comprises the two or more signals, each signal corresponding with one antenna element from the two or more antenna elements.

10. (New) The communications device of claim 9, wherein the first antenna element is one of the two or more antenna elements.

11. (New) The communications device of claim 9, wherein the second waveform comprises a sum of the two or more signals.

12. (New) The communications device of claim 9, wherein the communications device comprises a base station of a radio communications network.

13. (New) The communications device of claim 12, wherein the calibration burst is transmitted to a user terminal of the radio communications network, the user terminal being operable to use the calibration burst to assist in calibrating the base station.

14. (New) The communications device of claim 9, wherein each signal of the second waveform is being transmitted from a corresponding antenna element.

15. (New) The communications device of claim 9, wherein the first antenna element comprises a reference element with respect to which the other antenna elements are calibrated.